

FACILITY PERSONNEL

Facility Scientist

Stephen Pordes
Office 630.840.3603
Cell: 630.997.1173
stephen@fnal.gov

Detector R&D Head

Erik Ramberg
ramberg@fnal.gov



Liquid Argon test stand at PAB –
Terry Tope, Kelly Hardin, Stephen Pordes,
William (Bill) Miner, Cary Kendziora, Walt
Jaskierny

 **Fermilab**

**NOBLE LIQUIDS AT THE
PROTON ASSEMBLY BUILDING**

 **Fermilab**
PAB





Installation of 50 cm drift TPC into liquid argon cryostat (Kelly Hardin and Hans Jostlein are featured)

cryostat, Luke, is used for the tests to see if candidate detector materials for LBNE and MicroBooNE contaminate the liquid argon; the other houses the 50 cm TPC which we use for tests of electronics.



The inside of the distillation column showing the actual column, where the liquid and gaseous argon and nitrogen flow up and down such that the Nitrogen ends up at the top and the argon ends up at the bottom.



The distillation column system. The argon collector is at the bottom and the nitrogen vessel at the top.



An overall picture of the liquid argon source and filter system and the two cryostats it serves. One



close-up of the materials test system cryostat